

## EAST Search History

| Ref # | Hits   | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|------------------------|------------------|---------|------------------|
| L1    | 88     | squar\$3 near10 (mixer or mixing) near12 (rf or "radio frequency") | US-PGPUB; USPAT        | OR               | ON      | 2008/04/28 06:02 |
| L2    | 4      | distort\$3 near7 gain near10 (jam or jamm\$3)                      | US-PGPUB; USPAT        | OR               | ON      | 2008/04/28 06:02 |
| L3    | 222    | distort\$3 near7 gain near15 (add\$3 or subtract \$3)              | US-PGPUB; USPAT        | OR               | ON      | 2008/04/28 06:02 |
| L4    | 2744   | squar\$3 near10 (mixer or mixing)                                  | US-PGPUB; USPAT        | OR               | ON      | 2008/04/28 06:02 |
| L5    | 244848 | "455".clas. or "370".clas. or "375".clas.                          | US-PGPUB; USPAT        | OR               | OFF     | 2008/04/28 06:02 |
| L6    | 522    | L4 and L5  | US-PGPUB; USPAT        | OR               | OFF     | 2008/04/28 06:02 |
| L7    | 3      | distort\$3 near7 calibrat\$3 near15 modem                          | US-PGPUB; USPAT        | OR               | ON      | 2008/04/28 06:03 |
| L8    | 32     | feedforward near8 (nonlinear "non-linear") near8 distortion        | US-PGPUB; USPAT; USOCR | OR               | ON      | 2008/04/28 06:03 |
| S1    | 1      | ("20030186664").PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2005/11/13 15:15 |
| S2    | 1822   | (455/295,296,303,305,310,311).CCLS.                                | US-PGPUB; USPAT        | OR               | OFF     | 2005/11/13 16:54 |
| S3    | 1      | ("6606484").PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2005/11/13 15:51 |
| S4    | 4      | distort\$3 near7 gain near10 (jam or jamm\$3)                      | US-PGPUB; USPAT        | OR               | ON      | 2005/11/13 16:54 |
| S5    | 170    | distort\$3 near7 gain near15 (add\$3 or subtract \$3)              | US-PGPUB; USPAT        | OR               | ON      | 2006/05/09 14:40 |
| S6    | 3      | S2 and S5  | US-PGPUB; USPAT        | OR               | ON      | 2005/11/13 15:53 |
| S7    | 0      | distort\$3 near7 gain near15 ("mobile station modem" or msm)       | US-PGPUB; USPAT        | OR               | ON      | 2005/11/13 16:48 |
| S8    | 34     | distort\$3 near7 gain near15 modem                                 | US-PGPUB; USPAT        | OR               | ON      | 2005/11/13 16:54 |

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| S9  | 3      | distort\$3 near7 calibrat\$3 near15 modem                  | US-PGPUB;<br>USPAT | OR | ON  | 2005/11/13<br>16:51 |
| S10 | 3      | distort\$3 near7 (integrated chip or ic) near15 modem      | US-PGPUB;<br>USPAT | OR | ON  | 2005/11/13<br>16:51 |
| S11 | 0      | distort\$3 near7 gain near10 (jam or jamm\$3) near15 modem | US-PGPUB;<br>USPAT | OR | ON  | 2005/11/13<br>16:54 |
| S12 | 0      | S8 and S2  | US-PGPUB;<br>USPAT | OR | OFF | 2005/11/13<br>16:54 |
| S13 | 3      | ((("5797089") or ("20010027121") or ("6662244"))).PN.      | US-PGPUB;<br>USPAT | OR | OFF | 2006/03/29<br>19:53 |
| S14 | 1920   | (455/295,296,303,305,310,311).CCLS.                        | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/04<br>10:54 |
| S15 | 527    | (379/428.02,428.04,429,433.01).CCLS.                       | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/04<br>11:20 |
| S16 | 40     | distort\$3 near7 gain near15 modem                         | US-PGPUB;<br>USPAT | OR | ON  | 2006/05/09<br>14:39 |
| S17 | 1928   | (455/295,296,303,305,310,311).CCLS.                        | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/09<br>14:39 |
| S18 | 40     | distort\$3 near7 gain near15 modem                         | US-PGPUB;<br>USPAT | OR | ON  | 2006/05/09<br>14:39 |
| S19 | 0      | distort\$3 near7 gain near15 modem near12 squar\$3         | US-PGPUB;<br>USPAT | OR | ON  | 2006/05/09<br>14:40 |
| S20 | 20     | distort\$3 near7 gain near15 (squared or squaring)         | US-PGPUB;<br>USPAT | OR | ON  | 2006/05/09<br>14:40 |
| S21 | 2042   | (455/295,296,303,305,310,311).CCLS.                        | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/26<br>17:41 |
| S22 | 21     | distort\$3 near7 gain near15 (squared or squaring)         | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/26<br>17:41 |
| S23 | 2413   | squar\$3 near10 (mixer or mixing)                          | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/26<br>17:57 |
| S24 | 22     | S21 and S23  | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/26<br>17:42 |
| S25 | 191171 | "455".clas. or "370".clas. or "375".clas.                  | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/26<br>17:56 |
| S26 | 423    | S23 and S25  | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/26<br>17:57 |

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| S27 | 401    | S26 not S24  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/11/26<br>17:57 |
| S28 | 168    | squar\$3 near10 (mixer or mixing) near12<br>receiv\$3                              | US-PGPUB;<br>USPAT           | OR | ON  | 2006/11/26<br>18:44 |
| S29 | 64     | S25 and S28  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/11/26<br>17:57 |
| S30 | 57     | S29 not S24  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/11/26<br>17:57 |
| S31 | 67     | squar\$3 near10 (mixer or mixing) near12 (rf<br>or "radio frequency")              | US-PGPUB;<br>USPAT           | OR | ON  | 2006/11/26<br>18:44 |
| S32 | 1      | ("7095998").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/01/08<br>09:36 |
| S33 | 5      | ((("6606484") or ("6437644") or ("5541990")<br>or ("5552734") or ("5883551"))).PN. | US-PGPUB;<br>USPAT           | OR | OFF | 2007/01/31<br>13:22 |
| S34 | 2154   | (455/295,296,303,305,310,311).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/06<br>11:01 |
| S35 | 42     | distort\$3 near7 gain near15 modem   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/06<br>11:01 |
| S36 | 4      | distort\$3 near7 gain near10 (jam or jamm\$3)                                      | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/06<br>11:01 |
| S37 | 2562   | squar\$3 near10 (mixer or mixing)  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/08/06<br>11:04 |
| S38 | 211213 | "455".clas. or "370".clas. or "375".clas.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/06<br>11:01 |
| S39 | 467    | S37 and S38  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/08/06<br>11:01 |
| S40 | 8      | squar\$3 near10 gain near10 (feedforward\$3 or<br>"feed-forward")                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/08/06<br>11:05 |
| S41 | 2264   | (455/295,296,303,305,310,311).CCLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2008/04/24<br>11:41 |
| S42 | 44     | distort\$3 near7 gain near15 modem   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/04/24<br>11:41 |
| S43 | 222    | distort\$3 near7 gain near15 (add\$3 or subtract<br>\$3)                           | US-PGPUB;<br>USPAT           | OR | ON  | 2008/04/24<br>11:42 |
| S44 | 3      | distort\$3 near7 calibrat\$3 near15 modem  | US-PGPUB;<br>USPAT           | OR | ON  | 2008/04/24<br>11:43 |

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| S45 | 88  | squar\$3 near10 (mixer or mixing) near12 (rf or "radio frequency") | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/04/24<br>11:43 |
| S46 | 646 | (379/428.02,428.04,429,433.01).CCLS.                               | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/04/24<br>11:43 |

4/28/2008 6:33:06 AM

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